

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Gardenia jasminoides*

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|--|------------|---------|----------|----------------------|---|
| 0 | (1R,74,8S,10R)-7,8,11-TRIHYDROXYGUAI-4-EN-3-ONE-8-O-BETA-D-GLUCOPYRANOSIDE | Fruit | | | | -- |
| 0 | (R)-LINALYL-6-O-ALPHA-L-ARABINOPYRANOSYL-BETA-D-GLUCOPYRANOSIDE | Flower | | | | -- |
| 0 | 10-ACETYLGENIPOSIDE | Fruit | | | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 0 | 13-Z-CROCIN-ESTER | Fruit | | | | -- |
| 0 | 2-HYDROXYETHYL-GARDENAMIDE-A | Fruit | | | | -- |
| 2 | ARSENIC | Fruit | | 0.05 | -0.4728474209824816 | Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272. |
| 0 | ASH | Seed | | 25000.0 | -0.6881795914949315 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 0 | BENZOIC-ACID-ESTER | Flower | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 9 | BENZYL-ACETATE | Flower | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 47 | BETA-SITOSTEROL | Fruit | | | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 35 | BORNEOL | Flower | | | | -- |
| 0 | BORNYL-6-O-BETA-D-XYLOPYRANOSYL-BETA-D-GLUCOPYRANOSIDE | Flower | | | | -- |
| 28 | CALCIUM | Fruit | 2810.0 | 4710.0 | 0.1970032671907855 | Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195. |
| 3 | CHLOROGENIN | Fruit | | | | -- |
| 12 | COPPER | Fruit | 10.0 | 13.0 | 0.014090749380317144 | -- |
| 10 | CROCETIN | Fruit | | | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|--|------------|----------|----------|----------------------|--|
| 0 | CROCETIN-MONO(BETA-GENTIOBIOSYL)-ESTER | Fruit | | | | -- |
| 4 | CROCIN | Fruit | | | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 4 | CROCIN | Flower | | | | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. |
| 0 | CROCIN-1 | Fruit | | | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 5 | DAUCOSTEROL | Flower | | | | -- |
| 0 | DEACETYLASPERULOSIDE-ACID-METHYL-ESTER | Fruit | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0 | EO | Flower | | 700.0 | -0.4000177745189089 | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 0 | FAT | Seed | 140000.0 | 200000.0 | -0.34441983215421706 | -- |
| 0 | GARDENATE-A | Fruit | | | | -- |
| 1 | GARDENIC-ACID | Plant | | | | -- |
| 0 | GARDENIC-ACID-A | Flower | | | | -- |
| 1 | GARDENIC-ACID-B | Flower | | | | -- |
| 2 | GARDENIN | Fruit | | | | -- |
| 0 | GARDENODIC-ACID-A | Plant | | | | -- |
| 6 | GARDENOSIDE | Leaf | | | | -- |
| 6 | GARDENOSIDE | Fruit | | | | -- |
| 0 | GARDOSIDE | Fruit | | | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 6 | GENIPIN | Fruit | | | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 0 | GENIPIN-1-BETA-D-GENTIOBIOSIDE | Fruit | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|-------------------------------|------------|---------|----------|-----------------------|--|
| 0 | GENIPIN-1-BETA-D-GLUCOSIDE | Plant | | | | J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991. |
| 10 | GENIPOSIDE | Leaf | | | | -- |
| 10 | GENIPOSIDE | Fruit | | | | -- |
| 10 | GENIPOSIDIC-ACID | Fruit | | | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 0 | GENTIOBIOSIDE | Fruit | | | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 6 | IRON | Fruit | 40.0 | 130.0 | -0.011813220344521346 | -- |
| 0 | JASMINOSIDE-F | Fruit | | | | -- |
| 0 | LINALOL | Flower | | | | -- |
| 53 | LINALOOL | Flower | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 7 | LINALYL-ACETATE | Flower | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 65 | MAGNESIUM | Fruit | 1880.0 | 2170.0 | 0.0186441813858007 | -- |
| 14 | MANGANESE | Fruit | 16.0 | 19.0 | -0.27825396850008577 | -- |
| 18 | MANNITOL | Fruit | | | | -- |
| 2 | METHYL-ANTHRANILATE | Flower | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 0 | METHYL-DEACETYLASPERULOSIDATE | Fruit | | | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 2 | NONACOSANE | Fruit | | | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 24 | PECTIN | Fruit | | | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 0 | PENTA-ACETYL-GENIPOSIDE | Leaf | | | | -- |
| 0 | PICROCROCINIC-ACID | Fruit | | | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 14 | POTASSIUM | Fruit | 13800.0 | 15300.0 | -0.2314918720898178 | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|-------------------------|------------|---------|----------|----------------------|--|
| 0 | PROTEIN | Seed | | 144000.0 | -0.7987825240384804 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 1 | SCANDOSIDE-METHYL-ESTER | Fruit | | | | -- |
| 0 | SHANZHISIDE | Fruit | | | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 1 | SODIUM | Fruit | 731.0 | 985.0 | -0.09054434268860892 | -- |
| 0 | STYRENE-ACETATE | Flower | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 35 | TANNIN | Fruit | | | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 18 | TERPINEOL | Flower | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 0 | ZHIZININ-A | Flower | | | | -- |
| 77 | ZINC | Fruit | 10.0 | 17.0 | -0.40018873103446667 | -- |